

**Reteaching with Practice**

For use with pages 121–125

**GOAL****Identify angles formed by transversals.****VOCABULARY**

A **transversal** is a line that intersects two or more coplanar lines at different points.

When two lines are intersected by a transversal, two angles are called **corresponding angles** if they occupy corresponding positions.

When two lines are intersected by a transversal, two angles are called **alternate interior angles** if they lie between the two lines on the opposite sides of the transversal.

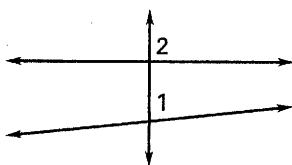
When two lines are intersected by a transversal, two angles are called **alternate exterior angles** if they lie outside the two lines on the opposite sides of the transversal.

When two lines are intersected by a transversal, two angles are called **same-side interior angles** if they lie between the two lines on the same side of the transversal.

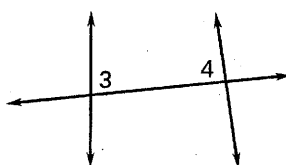
**EXAMPLE 1****Describe Angles Formed by Transversals**

Describe the relationship between the numbered angles.

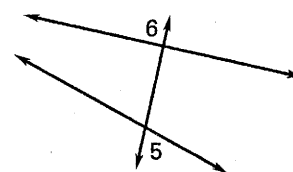
a.



b.



c.

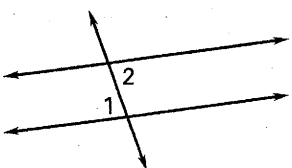
**SOLUTION**

- a.  $\angle 1$  and  $\angle 2$  are corresponding angles.  
 b.  $\angle 3$  and  $\angle 4$  are same-side interior angles.  
 c.  $\angle 5$  and  $\angle 6$  are alternate exterior angles.

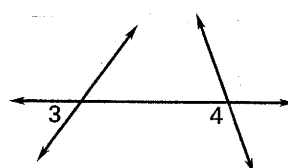
**Exercises for Example 1**

Describe the relationship between the numbered angles.

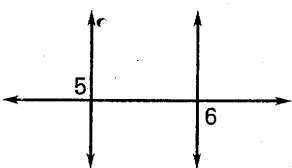
1.



2.



3.



4.

